

Algebra 1
Mrs. Arot and Mrs. Britton
Chapter 6 Test Review

Name: _____

Date: _____

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Solve each inequality. *Show ALL your work!!!* (14 pts)

1. $2 \leq x - 7$

2. $a - 7 > 15$

3. $-6y < 24$

4. $\frac{b}{8} \leq 6$

5. $4z + 6 \geq 2$

6. $33 < 3 - 3c$

7. $x + 5 \geq 5x + 8$

8. $2(3x - 5) < 2x + 3$

Solve each inequality. *Show ALL your work!!!* (10 pts)

9. $-5 < x - 7 \leq 2$

10. $6 + 2u \geq 10$ or $5 - 2u > -8$

11. $-5x < 35$ or $-2x - 1 > 25$

12. $-6 < 2y - 8 < 20$

Solve each absolute value equation. *Show ALL your work!!!* (8 pts)

13. $|y - 8| = 1$

14. $|4a + 6| = 2$

15. $|4x + 9| = -2$

16. $|-5x| = 30$

Solve each absolute value inequality. *Show ALL your work!!!* (18 pts)

17. $|-6 + x| < 7$

18. $|y + 6| \geq 7$

19. $|2a - 3| > 11$

20. $|4b| \leq 8$

21. $|x - 6| < -3$

22. $|9x + 5| > -14$

Graph each inequality. (4 pts)

23. $x \leq -4$



24. $x < -4$ or $x \geq 3$



25. $-4 < x < 1$



26. $x \geq -7$



Write an Inequality for each graph (2 pts):

27.



28.

